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**SPECIFICATION**

No new matter has been added to the specification. Paragraph numbers shown correlate to numbered paragraphs in the mark-ed up version shown in the Remarks Section.

**Please amend paragraph 7 as shown.**

~~[007] PRIOR ART BACKGROUND OF THE INVENTION~~

**Please delete the paragraph 13 heading "Objects and Advantages".**

~~[0013] OBJECTS AND ADVANTAGES~~

**Please amend paragraph 15 as shown:**

[0015] A further object of an embodiment of the invention is to provide a low-cost, durable device that can be utilized by manufacturers of automotive lift systems as well as commercial operators or home users of new or existing use automotive lifts. This device can be attached to the end of each lifting arm on an automotive lift by any of the means listed herein as well as other suitable attachment means known by those skilled in the art.

**Please insert the following paragraph after paragraph 15.**

[0016] Another advantage of an embodiment of the padded end cap of the present invention is to lessen the effect of injuries to a person coming in contact with the end of the hoist arm. This is accomplished in part by the shape, location and cushioning properties of the end cap.

**Please delete the List of Reference Numerals in paragraphs 28-39.**

**Please amend paragraph 43 as shown.**

[0043] Padded end caps may be attached to the vehicle lifting arm by, but not limited to, the following means: magnetic, spring clips, hook and loop fastener, tie straps, nuts, bolts, screws, snug-fit, slip on, double sided tape, or adhesives.

**Please add paragraphs 51-53 as shown.**

[0051] CONCLUSIONS, OTHER EMBODIMENTS, AND SCOPE OF INVENTION

[0052] The padded end cap described herein is a new and useful device attached to the end of a vehicle lift arm on automotive lifts. This article of manufacture can be utilized on a variety of vehicle lift arms and can lessen the effect of injuries caused by a person coming in contact with the end of the lift or hoist arm. Embodiments of the padded end cap can be manufactured to fit all types of vehicle lift arm end configurations.

[0053] Thus, although there have been described particular embodiments of the present invention of a new and useful padded end cap, it is not intended that such references be construed as limitations upon the scope of this invention. Various modifications, alternate constructions and equivalents can be employed without departing from the true spirit and scope of the invention. Therefore, the above description and interrelated drawings shall not be construed as limiting the invention. The actual scope of the invention is defined by the breadth of the appended claims.

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**SPECIFICATION – CLEAN VERSION****[001] SPECIFICATION**

*[002] TITLE: PADDED END CAP FOR VEHICLE LIFTING HOIST ARM*

*[003] CROSS REFERENCE TO RELATED APPLICATIONS*

[004] This application claims priority from U.S. Provisional Patent Application No. 60/458,175 filed March 26, 2003. The contents of U.S. Provisional Patent Application No. 60/458,175 are fully incorporated herein by reference.

*[005] FIELD OF THE INVENTION*

[006] This present invention relates to automotive lift assemblies, particularly a padded end cap for the end of lifting hoist arms of the automotive lifts.

*[007] BACKGROUND OF THE INVENTION*

[008] Automotive lift systems are well known in the art, particularly in the automotive servicing field, where a technician must often raise a vehicle to a predetermined height above the ground in order to make appropriate repairs. Automotive lift assemblies can be constructed in a variety of configurations but typically have four lifting arms which the vehicle rests on. The lifting arms are extendable to support the vehicle at prescribed load bearing positions.

[009] All automotive lifting arms are made of metal and most are square or rectangular in shape. The ends of the lift arms are also predominately square or rectangular in shape. Some manufacturers however, include a cylindrical attachment at the end of their lifting arms to hold a vehicle support stand.

[0010] Regardless of the shape of the lifting arm and/or its end, all commercially available lift arms are comprised of metal. There is no evidence of any device available to attach to the end of the lifting arms to provide a surface softer than metal, i.e., a cushioning surface.

*[0011] SUMMARY OF THE INVENTION*

[0012] This present invention is a padded end cap for cushioning the end of the lifting arms on automotive lifts. This article of manufacture supplies a low-cost, durable product that can be easily fitted to the end of the lifting arms of an automotive lift system.

[0013] The object of the padded end cap is to provide a surface on the end of the lifting arm that is softer than the composition of the lifting arm.

[0014] A further object of an embodiment of the invention is to provide a low-cost, durable device that can be utilized by manufacturers of automotive lift systems as well as commercial operators or home users of new or existing use automotive lifts. This device can be attached to the end of each lifting arm on an automotive lift by any of the means listed herein as well as other suitable attachment means known by those skilled in the art.

[0015] Another advantage of an embodiment of the padded end cap of the present invention is to lessen the effect of injuries to a person coming in contact with the end of the hoist arm. This is accomplished in part by the shape, location and cushioning properties of the end cap.

[0016] Additional advantages and novel features of the present invention will be set forth in part in the description which follows, and in part will become apparent to those skilled in the art upon examination of the following, or may be learned by practice of the invention. The advantages of the invention may be realized and attained by means of the instrumentalities and combinations particularly pointed out in the appended claims.

*[0017] BRIEF DESCRIPTION OF DRAWINGS*

[0018] The character of the invention, however, may be best understood by reference to one of its structural forms, as illustrated by the accompanying drawings, in which:

[0019] Fig. 1 is a perspective view of a padded end cap with a plurality of attachment surfaces for affixing the padded end cap to a lifting arm.

[0020] Fig. 2a is a perspective view of a padded end cap offset from the end of a lifting arm.

[0021] Fig. 2b is a perspective view of a padded end cap in place on the end of a lifting arm.

[0022] Fig. 3a is a perspective view of a two-post automotive lift system with four vehicle-lifting arms.

[0023] Fig. 3b is a perspective view of a padded end cap in place on the end of a lifting arm.

[0024] Fig. 4 is a perspective view of a cylindrical or semi-circular shaped padded end cap.

[0025] Fig. 5a is a perspective view of a cylindrical or semi-circular padded end cap offset from the cylindrical end of a lifting arm.

[0026] Fig. 5b is a perspective view of a cylindrical or semi-circular padded end cap affixed to the cylindrical end of a lifting arm.

*[0027] DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS*

[0028] Referring to Fig. 1, which best shows the general features of one embodiment of the invention, a vehicle lifting arm padded end cap (10) is shown with a plurality of attachment surfaces. The one-piece lifting arm padded end cap was produced via a compression molded process utilizing closed cell foam materials. The padded end cap can be produced utilizing any resilient material including, but not limited to, expanded foam, rubber, extruded foam rubber, sponge foam polyurethane foam, integral skin foams, rigid closed cell, integral flexible open cell, expanded polystyrene or compression-molded, closed cell cross-linked polyethylene or other suitable materials.

These processes are utilized in manufacturing industries and well known to those skilled in the art.

[0029] The Fig. 1 embodiment has a plurality of attachment surfaces for affixing the padded end cap to the end of a lifting arm. Item 12 is a vertical back attachment surface. Item 14 is a horizontal bottom attachment surface. Item 16 is a vertical side attachment surface. There are two opposing vertical attachment surfaces. The configuration of the embodiment shown in Fig. 1 is best suited to fit on the end of a lifting arm that has a square or rectangular shape. The attachment surfaces shown are set against the corresponding end, sides and bottom of a square or rectangular lifting arm.

[0030] Padded end caps may be attached to the vehicle lifting arm by, but not limited to, the following means: magnetic, spring clips, hook and loop fastener, tie straps, nuts, bolts, screws, snug-fit, slip on, double sided tape, or adhesives.

[0031] Fig. 2a shows a typical rectangular lifting arm (18) with a vehicle support stand (20). A padded end cap (10) is shown offset from the end of the lifting arm (18).

[0032] Fig. 2b shows a typical rectangular lifting arm (18) with a vehicle support stand (20) and an attached padded end cap (10). Figs. 2a and 2b also show indicia on an exterior surface.

[0033] A typical two-post aboveground automotive lift system is shown in Fig. 3a. Two vehicle lifting arms (18) are attached to each support post (22).

[0034] Fig. 3b offers a view of a lifting arm (18) with an attached padded end cap (10) in place.

[0035] Fig. 4 shows a cylindrical or semi-circular padded end cap (24) with one concave attachment surface (26).

[0036] Fig. 5a illustrates a square or rectangular lifting arm (18) with an attached cylindrical base (28) to hold a vehicle support stand (20). Offset from the end of the lifting arm is a cylindrical or semi-circular padded end cap (24).

[0037] Fig. 5b shows a square or rectangular lifting arm (18) with an attached cylindrical base (28) to hold a vehicle support stand (20). A semi-cylindrical or semi-circular padded end cap (24) is attached to the cylindrical base.

*[0038] CONCLUSIONS, OTHER EMBODIMENTS, AND SCOPE OF INVENTION*

[0039] The padded end cap described herein is a new and useful device attached to the end of a vehicle lift arm on automotive lifts. This article of manufacture can be utilized on a variety of vehicle lift arms and can lessen the effect of injuries caused by a person coming in contact with the end of the lift or hoist arm. Embodiments of the padded end cap can be manufactured to fit all types of vehicle lift arm end configurations.

[0040] Thus, although there have been described particular embodiments of the present invention of a new and useful padded end cap, it is not intended that such references be construed as limitations upon the scope of this invention. Various modifications, alternate constructions and equivalents can be employed without departing from the true spirit and scope of the invention. Therefore, the above description and interrelated drawings shall not be construed as limiting the invention. The actual scope of the invention is defined by the breadth of the appended claims.